

CLAIMS

1. An ozone indicator comprising at least (1) a color-change layer comprised of an ozone sensitive ink and (2) an overcoat layer formed on part or the whole of the surface of said color-change layer.

2. The ozone indicator according to Claim 1 wherein the ozone sensitive ink contains an anthraquinone dye having at least one amino group species selected from the class consisting of primary and secondary amino groups.

3. The ozone indicator according to Claim 2 wherein the ozone sensitive ink further contains a cationic surfactant of the quaternary ammonium salt type.

4. The ozone indicator according to Claim 3 wherein the cationic surfactant of the quaternary ammonium salt type is an alkyltrimethylammonium salt.

5. The ozone indicator according to Claim 2 wherein the ozone sensitive ink further contains an extender.

6. The ozone indicator according to Claim 2 wherein the ozone sensitive ink further contains a resinous binders.

7. The ozone indicator according to Claim 2 wherein the ozone sensitive ink further contains a color component

which does not change color in an ozone atmosphere.

8. The ozone indicator according to Claim 1 wherein the overcoat layer comprises a film-forming polymer.

9. The ozone indicator according to Claim 8 wherein film-forming resin is at least one species of water soluble polymer.

10. The ozone indicator according to Claim 1 wherein the overcoat layer does not contain a coloring agent.

11. A method of measuring ozone concentration which comprises disposing the ozone indicator claimed in Claim 1 in an ozone atmosphere and calculating a CT value from the color difference or the size of color-change zone resulting from color change of the color-change layer.

12. The measuring method according to Claim 11 wherein the concentration of ozone in the ozone atmosphere is not less than 1000 ppm.